

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for moving teeth, comprising:
moving at least one first tooth with a dental appliance having a number of cavities in which one or more teeth are positioned and wherein the at least one first tooth is positioned in one of the cavities; and
moving at least one second tooth while isolating the at least one first tooth ~~at a rest position, isolating the at least one first tooth~~ by relieving the at least one first tooth of any applied force from the appliance or the second tooth, wherein relieving the force applied to the at least one first tooth is accomplished by creating space around the tooth and within the one of the cavities of the appliance, such that no ~~undesirable force applying~~ contact is made by the appliance or the second tooth.
2. (Previously Presented) The method of claim 1, wherein the at least one second tooth is moved for a first duration and immobilized for a second duration.
3. (Currently Amended) The method of claim 1, wherein the first duration is on an hourly basis, a daily basis, or a weekly basis.
4. (Previously Presented) The method of claim 1, comprising generating a plurality of appliances based on the moving of the at least one first tooth and the at least one second tooth, wherein the appliances comprise polymeric shells having cavities and wherein the cavities of successive shells have different geometries shaped to receive and resiliently reposition the at least one first and second teeth from one arrangement to a successive arrangement.

5. (Previously Presented) The method of claim 4, wherein a first cavity isolates the at least one first tooth at the rest position.

6. (Previously Presented) The method of claim 4, wherein a second cavity urges the at least one second tooth to the successive arrangement.

7. (Canceled)

8. (Original) The method of claim 4, further comprising replacing an appliance on an intra-day basis.

9. (Original) The method of claim 4, further comprising replacing an appliance on a daily basis.

10. (Original) The method of claim 4, further comprising replacing an appliance on a multi-day basis.

11. (Original) The method of claim 4, further comprising replacing an appliance on an intra-week basis.

12. (Original) The method of claim 4, further comprising replacing an appliance on a weekly basis.

13. (Canceled)

14. (Previously Presented) The method of claim 1, wherein the at least one first tooth is a group of contiguous teeth.

15. (Canceled)

16. (Currently Amended) A system comprising
means for moving a first tooth with a dental appliance having a number of cavities in which one or more teeth are positioned and wherein the at least one first tooth is positioned in one of the cavities; and
means for isolating the first tooth at a rest position by relieving the force applied to it, while moving at least one second tooth, wherein relieving the force applied to the first tooth is accomplished by creating space around the tooth and within the one of the cavities of the appliance, such that no ~~undesirable force~~ applying contact is made by the appliance or the second tooth.
17. (Previously Presented) The system of claim 16, wherein the at least one second tooth is moved for a first duration and immobilized for a second duration.
18. (Currently Amended) The system of claim 16, wherein the second duration is on an hourly basis, a daily basis, or a weekly basis.
19. (Original) The system of claim 16, comprising fabrication machine to generate a plurality of appliances, wherein the appliances comprise polymeric shells having cavities and wherein the cavities of successive shells have different geometries shaped to receive and resiliently reposition the teeth from one arrangement to a successive arrangement.
20. (Previously Presented) The system of claim 19, wherein a first cavity isolates the first tooth at the rest position and wherein a second cavity urges the at least one second tooth to a successive arrangement.
21. (Currently Amended) A system for generating one or more appliances for a patient having a number of cavities in which one or more teeth are positioned and wherein the at least one first tooth is positioned in one of the cavities, the teeth

~~including at least one first tooth and at least one second tooth,~~ the system comprising:

- a processor;
- a display device coupled to the processor;
- a data storage device coupled to the processor;
- a scanner coupled to the processor for providing data to model the patient's masticator system;

means for modeling and isolating the first tooth at a rest position while moving ~~[[the]]~~ at least one second tooth, the isolating of the first tooth by relieving the tooth of any applied force from the appliance or the at least one second tooth;

wherein relieving the force applied to the first tooth is accomplished by creating space around the tooth and within the one of the cavities of the appliance, such that no ~~undesirable force applying~~ contact is made by the appliance or the at least one second tooth; and

a dental appliance fabrication machine coupled to the processor for generating the appliances in accordance with the modeling of isolating the first tooth and moving at least one of the at least one second tooth.

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Previously Presented) the method of claim 1, wherein the at least one first tooth is a group of noncontiguous teeth.

26. (Previously Presented) The method of claim 1, wherein the at least one second tooth is a group of contiguous teeth.

27. (Currently Amended) The method of claim 1, wherein the at least one second tooth includes ~~[[is]]~~ a group of noncontiguous teeth.

28. (Canceled)